

Education

West Essex Regional School District

North Caldwell, NJ

Project Cost: \$2.5 million

Annual Cost Savings: \$315,000

Facility Description: Public high school and middle school totaling about 325,000 square feet

Contract Term: Two 15-year Energy Savings Performance Contracts (ESPC)



“NORESKO has met all the timelines and performed major, major renovations while keeping the health, welfare, and safety of everyone as the number one priority. This agreement produces savings that can ultimately reduce taxes and finance additional programs for students. It’s a model that could easily be replicated by other districts.”

Daniel Borgo
District Building Administrator
West Essex Regional School District

A \$2.5 million two-phase energy efficiency program, developed and implemented by NORESKO at no up-front cost to the West Essex Regional School District, is providing more than \$4 million in energy savings and utility subsidies to the district over 15 years.

NORESKO managed this two-phase project including arrangement of tax-exempt municipal lease financing. NORESKO also worked to secure a 15-year incentive program from the local utility. NORESKO guaranteed that the savings and incentives generated will exceed the annual costs to the district.

NORESKO recommended a variety of measures that were installed in two phases from Winter 1997 to Spring 1997 and Spring 1998 to Fall 1998. These measures included:

- Providing design and implementation for the retrofit or replacement of 5,171 lighting fixtures.
- Converting from electric heat to a hot water heating system, including the installation of two new 250-horsepower gas-fired boilers, and more than four miles of hot water distribution piping throughout the school. The project included the installation of 61 new unit ventilators with hot water coils, adding new hot water fan coil units, and replacing air handling unit heating coils with hot water coils.
- Constructing a self-contained building to house two boilers, pumps and auxiliaries.
- Replacing an electric hot water heater with a gas-fired unit.
- Expanding the existing EMS to include sophisticated temperature controls for the new heating system at the high school and to control the existing heating system at the middle school.

NORESCO is the nation's most experienced energy service company providing comprehensive and proven energy-efficiency solutions and infrastructure development and operations strategies to a wide range of customers. A recognized industry leader installing and operating over \$1.4 billion of proven energy solutions in diverse markets across the nation, NORESKO has built on-site energy infrastructure generating more than 300 megawatts of power, and has helped customers improve energy efficiency saving over 31 billion-kilowatt hours of electricity and 71 trillion Btus of fuel.



NORESCO Corporate Headquarters • One Research Drive, Suite 400C
Westborough, MA 01581 • 1.888.NORESCO [1.888.667.3726] • www.noresco.com